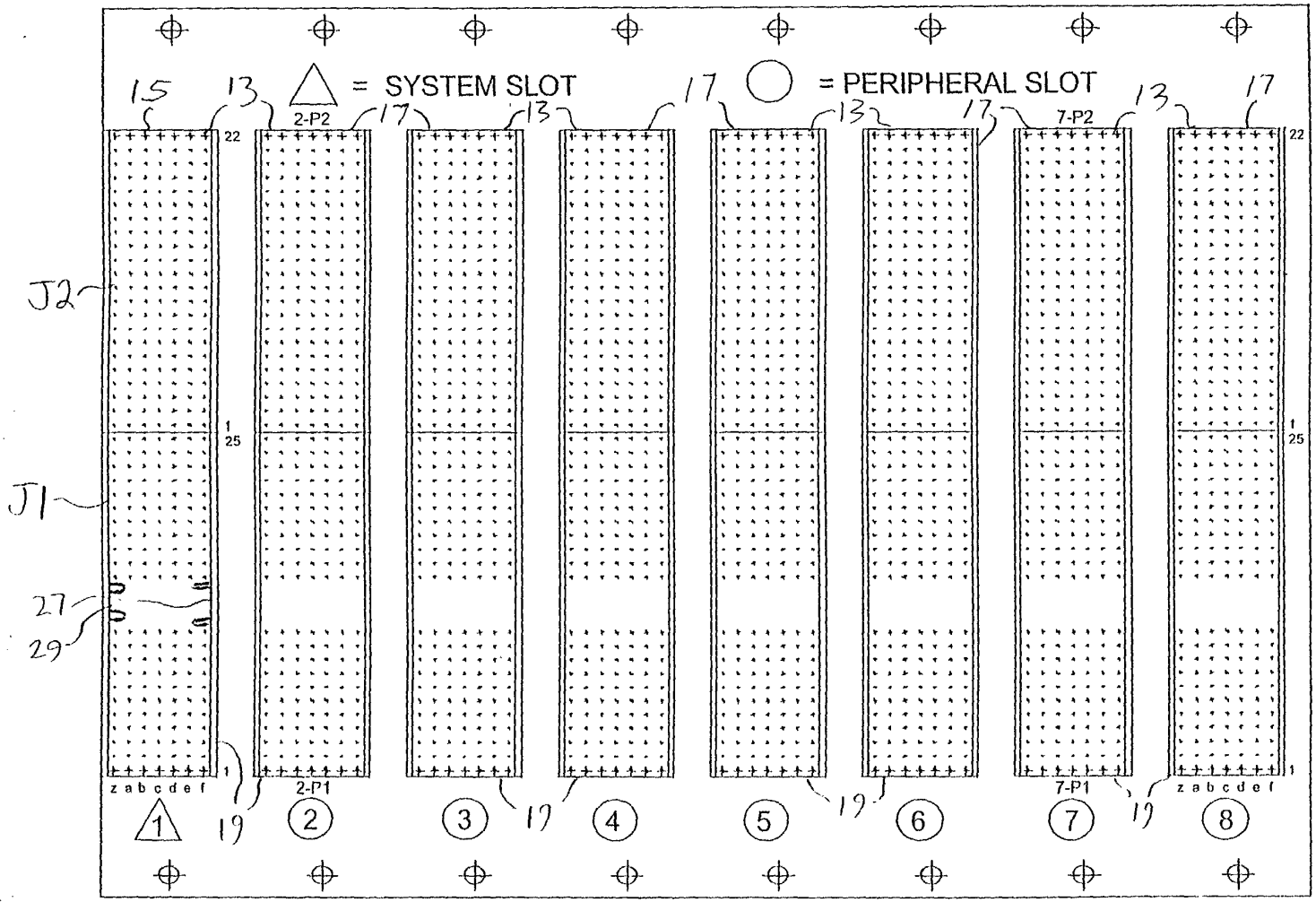


11

FIG. 1 (Prior Art)

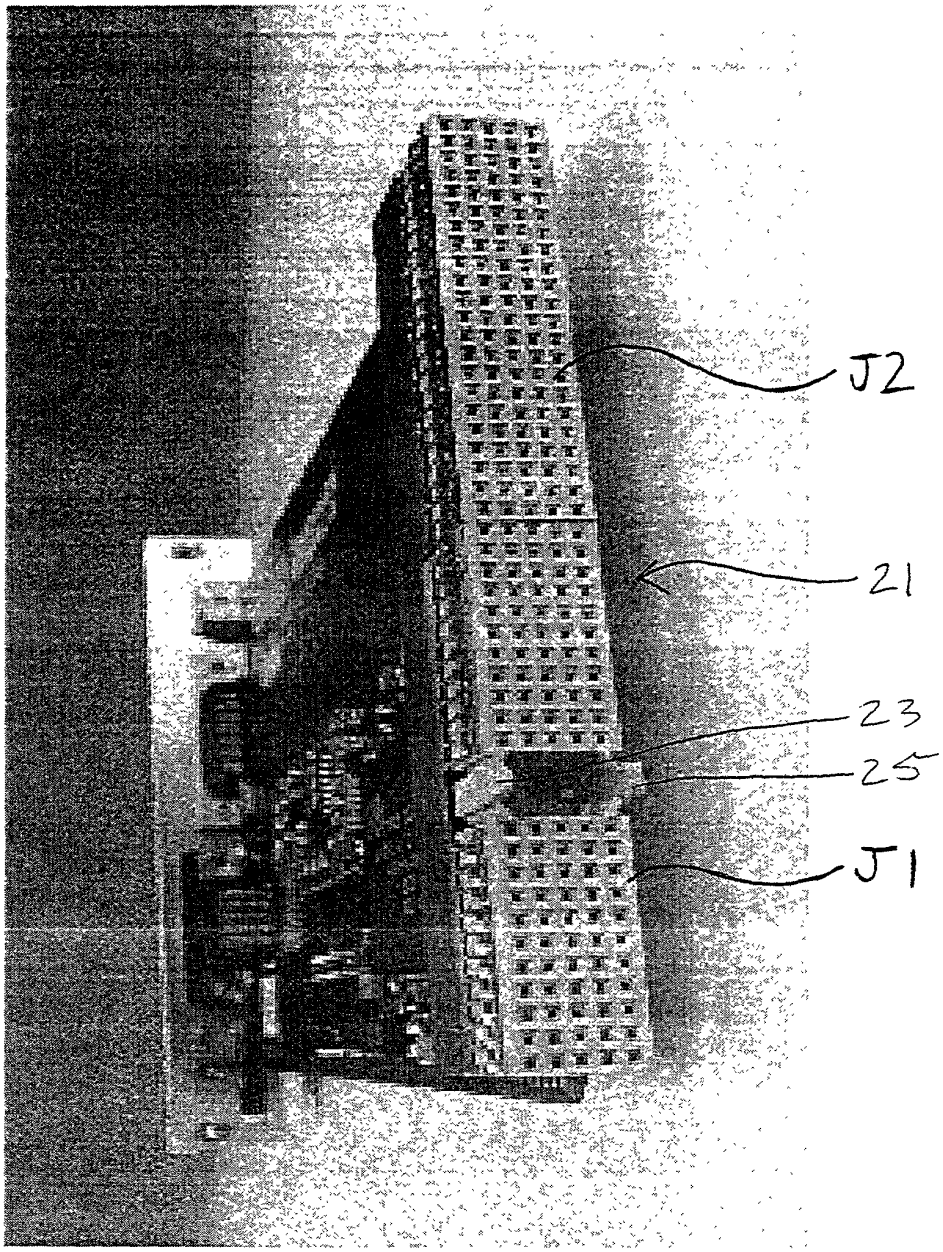


FIG. 2 (Prior Art)

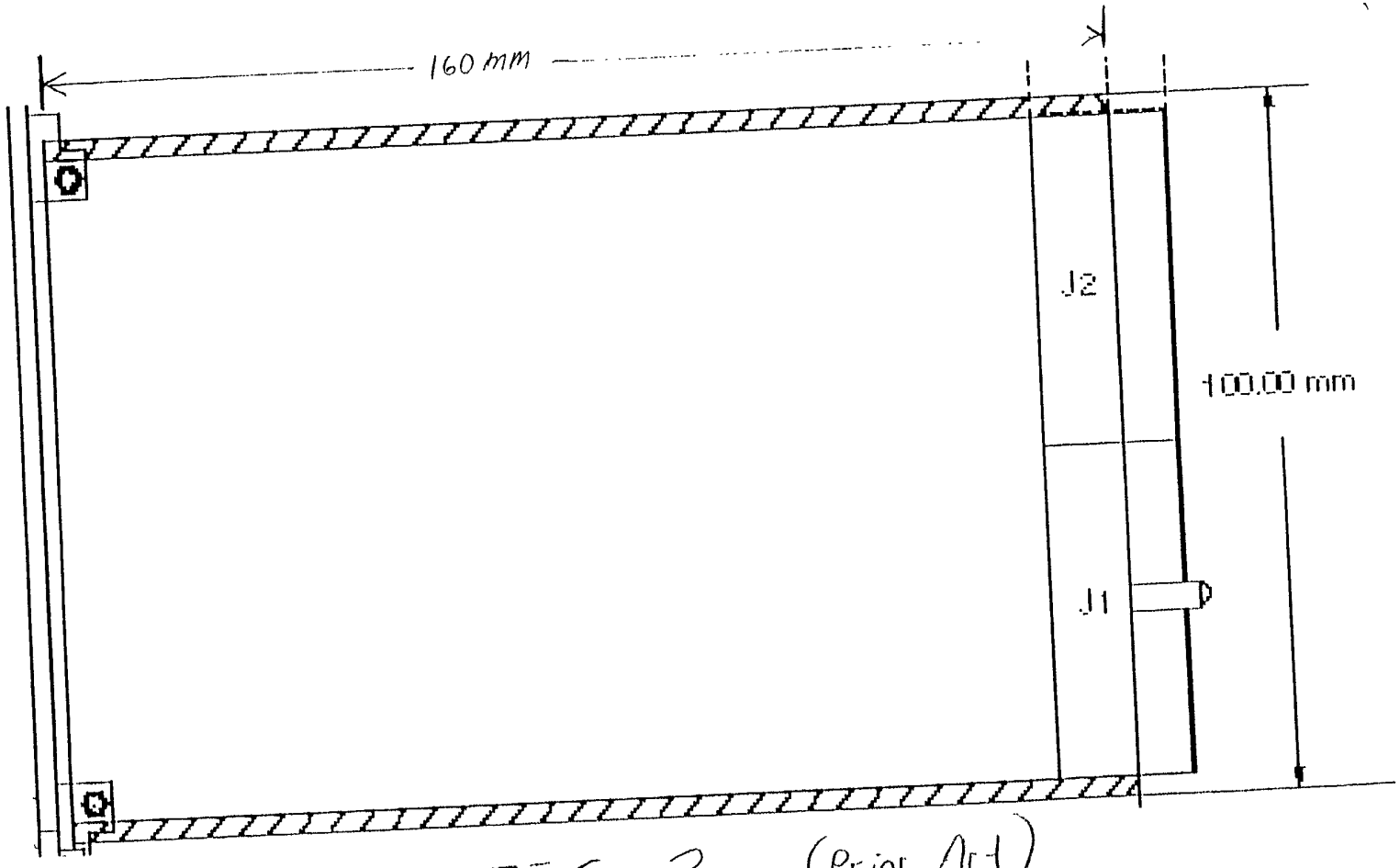


FIG. 3 (Prior Art)

25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND	
24	GND	AD[1]	5V	V(I/O)	AD[0]	ACK64#	GND	
23	GND	3.3V	AD[4]	AD[3]	5V	AD[2]	GND	J1
22	GND	AD[7]	GND	3.3V	AD[6]	AD[5]	GND	
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND	
20	GND	AD[12]	GND	V(I/O)	AD[11]	AD[10]	GND	C
19	GND	3.3V	AD[15]	AD[14]	GND	AD[13]	GND	
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND	O
17	GND	3.3V	SDONE	SBO#	GND	PERR#	GND	
16	GND	DEVSEL#	GND	V(I/O)	STOP#	LOCK#	GND	N
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND	
12-14	KEY AREA							N
11	GND	AD[18]	AD[17]	AD[16]	GND	C/BE[2]#	GND	
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND	E
9	GND	C/BE[3]#	IDSEL	AD[23]	GND	AD[22]	GND	
8	GND	AD[26]	GND	V(I/O)	AD[25]	AD[24]	GND	C
7	GND	AD[30]	AD[29]	AD[28]	GND	AD[27]	GND	
6	GND	REQ#	GND	3.3V	CLK	AD[31]	GND	T
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND	GNT#	GND	
4	GND	BRSVP1A4	GND	V(I/O)	INTP	INTS	GND	O
3	GND	INTA#	INTB#	INTC#	5V	INTD#	GND	
2	GND	TCK	5V	TMS	TDO	TDI	GND	R
1	GND	5V	-12V	TRST#	+12V	5V	GND	
Pin	Z	A	B	C	D	E	F	

FIG. 4

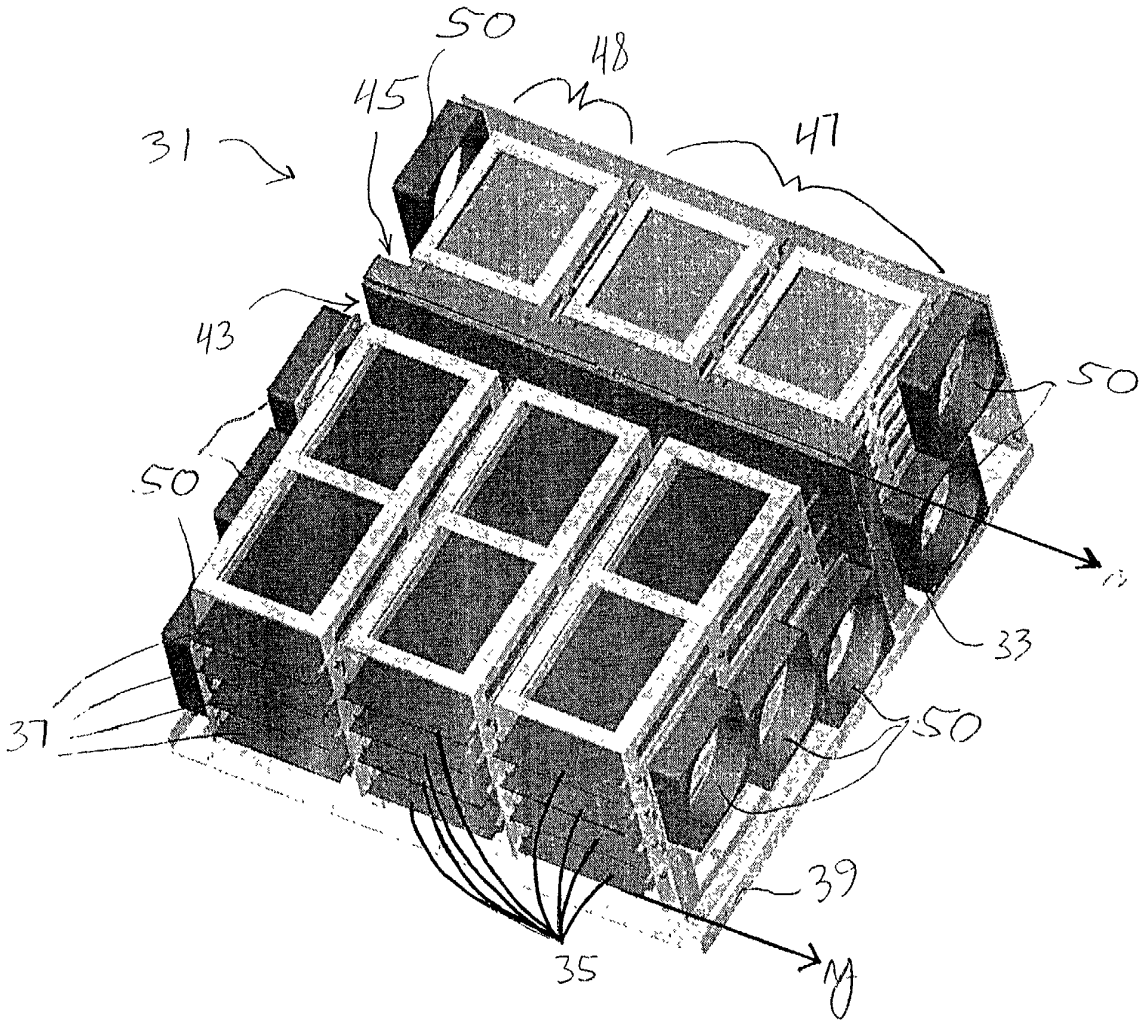


FIG. 5

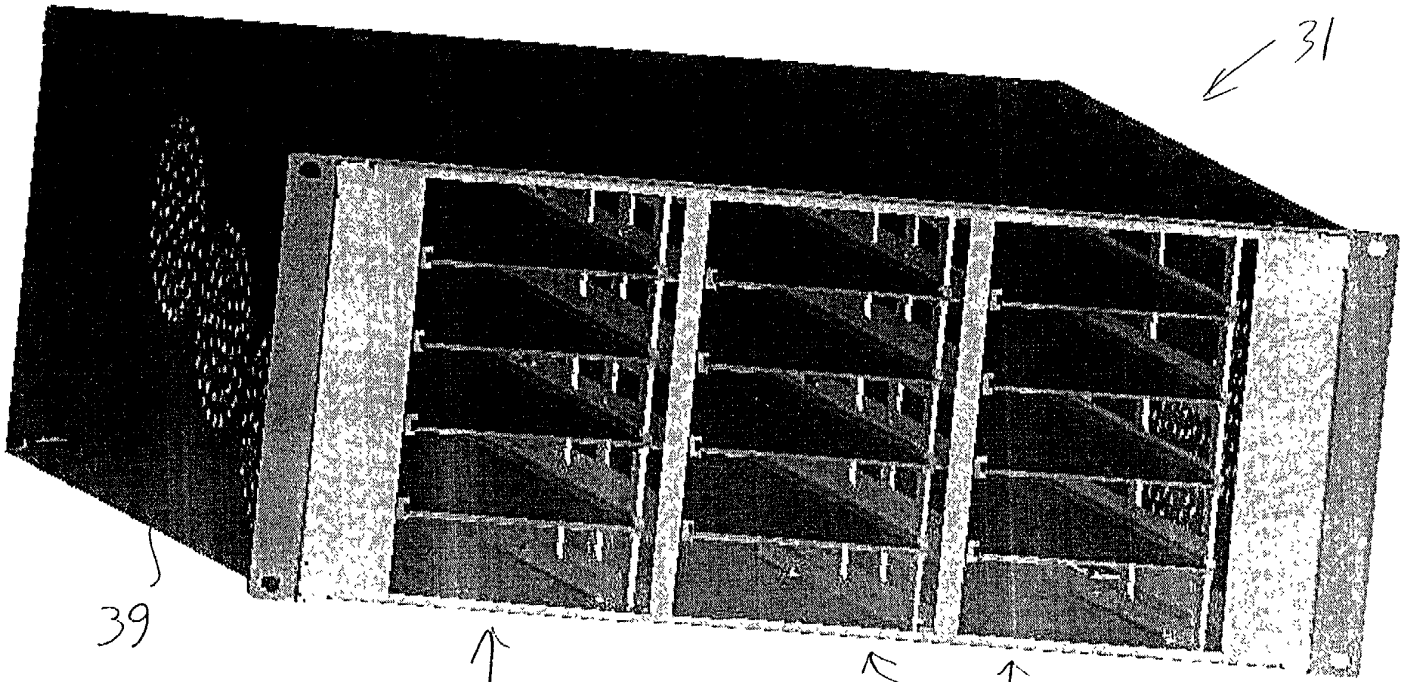


FIG. 6

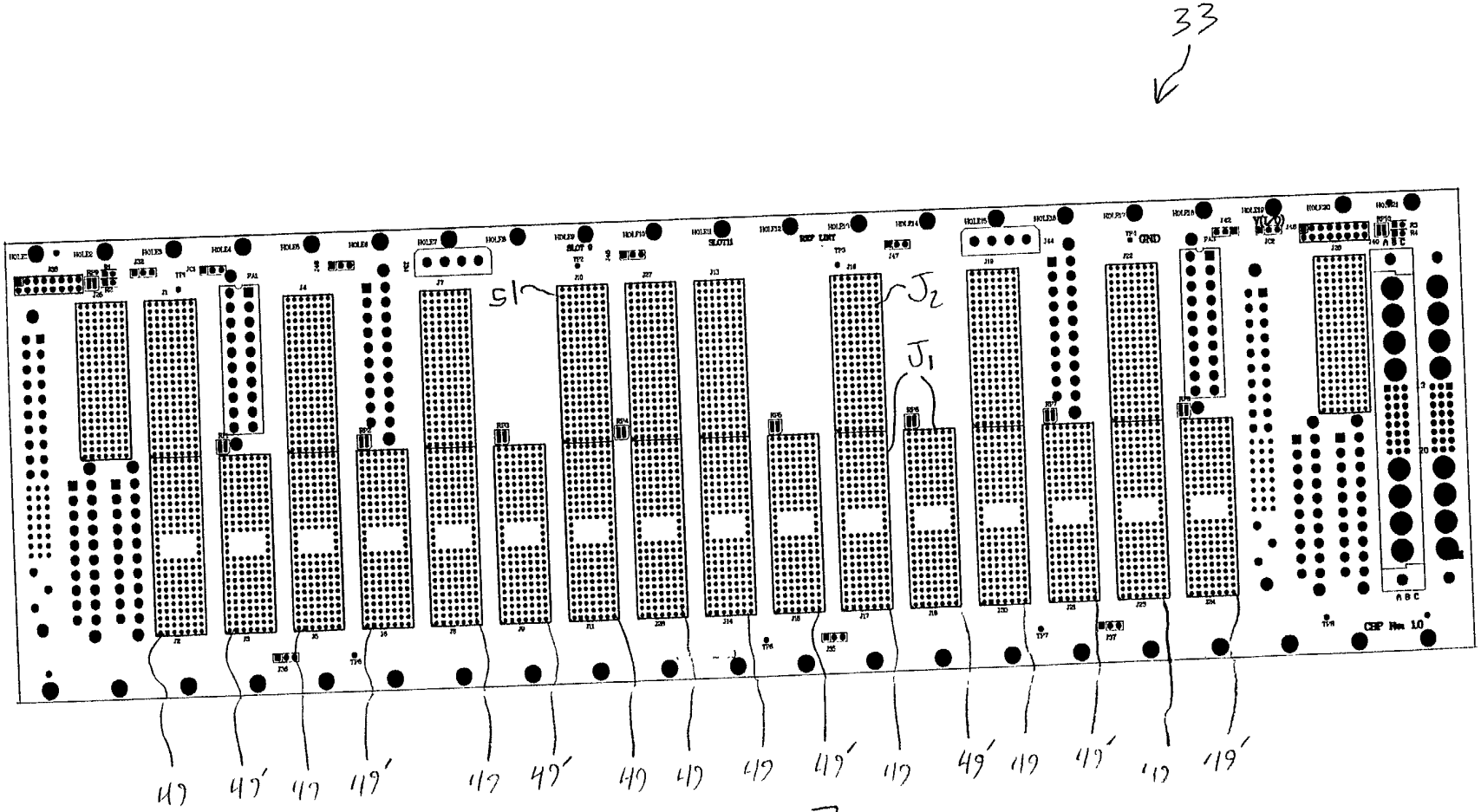


FIG. 7

25	GND	5V	3.3V	ENUM#	REQ64#	5V	GND	J1 CONNECTOR
24	GND	ACK64#	AD[0]	V(I/O)	5V	AD[1]	GND	
23	GND	AD[2]	5V	AD[3]	AD[4]	3.3V	GND	
22	GND	AD[5]	AD[6]	3.3V	GND	AD[7]	GND	
21	GND	C/BE[0]#	M66EN	AD[8]	AD[9]	3.3V	GND	
20	GND	AD[10]	AD[11]	V(I/O)	GND	AD[12]	GND	
19	GND	AD[13]	GND	AD[14]	AD[15]	3.3V	GND	
18	GND	C/BE[1]#	PAR	3.3V	GND	SERR#	GND	
17	GND	PERR#	GND	SBO#	SDONE	3.3V	GND	
16	GND	LOCK#	STOP#	V(I/O)	GND	DEVSEL#	GND	
15	GND	TRDY#	GND	IRDY#	FRAME #	3.3V	GND	
12-14	KEY AREA							
11	GND	C/BE[2]#	GND	AD[16]	AD[17]	AD[18]	GND	
10	GND	AD[19]	AD[20]	3.3V	GND	AD[21]	GND	
9	GND	AD[22]	GND	AD[23]	IDSEL	C/BE[3]#	GND	
8	GND	AD[24]	AD[25]	V(I/O)	GND	AD[26]	GND	
7	GND	AD[27]	GND	AD[28]	AD[29]	AD[30]	GND	
6	GND	AD[31]	CLK	3.3V	GND	REQ#	GND	
5	GND	GNT#	GND	RST#	BRSVP1B5	BRSVP1A5	GND	
4	GND	INTS	INTP	V(I/O)	GND	BRSVP1A4	GND	
3	GND	INTD#	5V	INTC#	INTB#	INTA#	GND	
2	GND	TDI	TDO	TMS	5V	TCK	GND	
1	GND	5V	+12V	TRST#	-12V	5V	GND	
Pin	F	E	D	C	B	A	Z	

Fig. 8

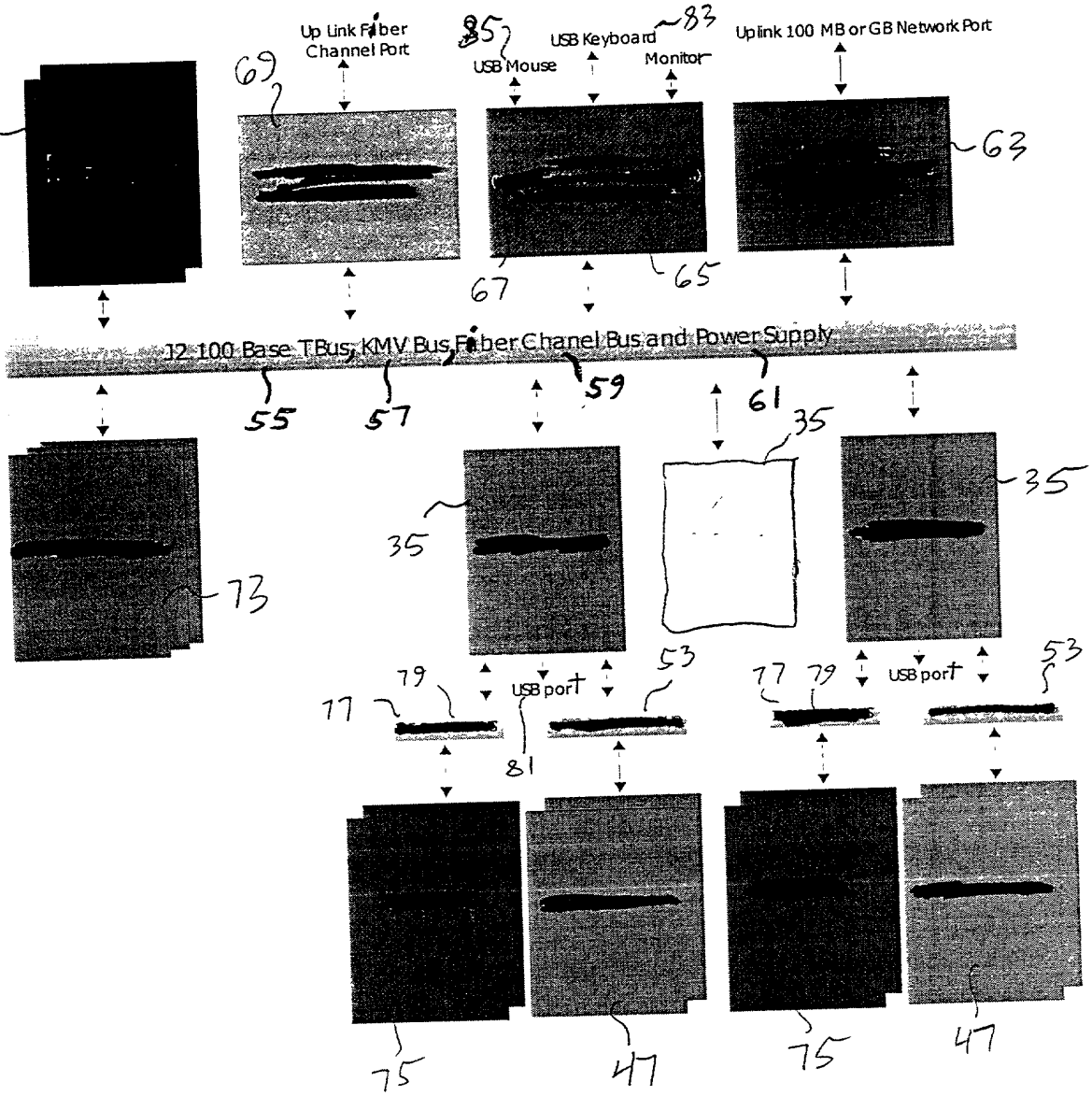

Up Link Fiber Channel Port
USB Mouse
USB Keyboard
Monitor
Uplink 100 MB or GB Network Port
69
85
83
71
63
67
65
12 100 Base TBus, KMV Bus, Fiber Chanel Bus and Power Supply
55
57
59
61
35
35
35
73
79
77
79
77
USB port
USB port
53
53
81
75
47
75
47

FIG. 9

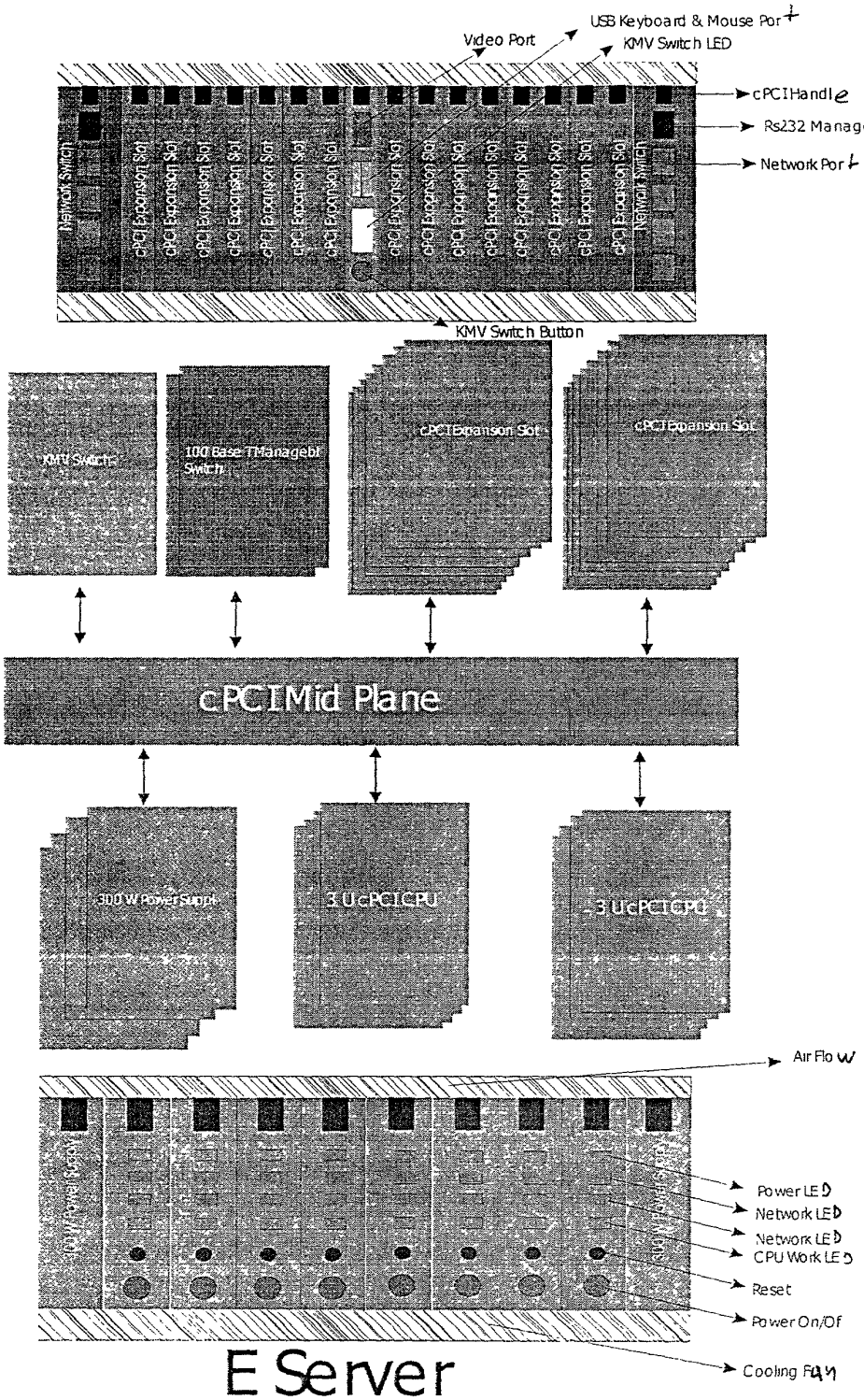

USB Keyboard & Mouse Port
Video Port
KMV Switch LED
cPCI Handle
Rs232 Management Port
Network Port
KMV Switch Button
KMV Switch
100 Base TManagebl Switch
cPCI Expansion Slot
cPCI Expansion Slot
cPCIMid Plane
300 W Power Suppli
3 UcPCI CPU
3 UcPCI CPU
Air Flow
Power LED
Network LED
Network LED
CPU Work LED
Reset
Power On/Of
Cooling Fan
E Server

FIG. 10

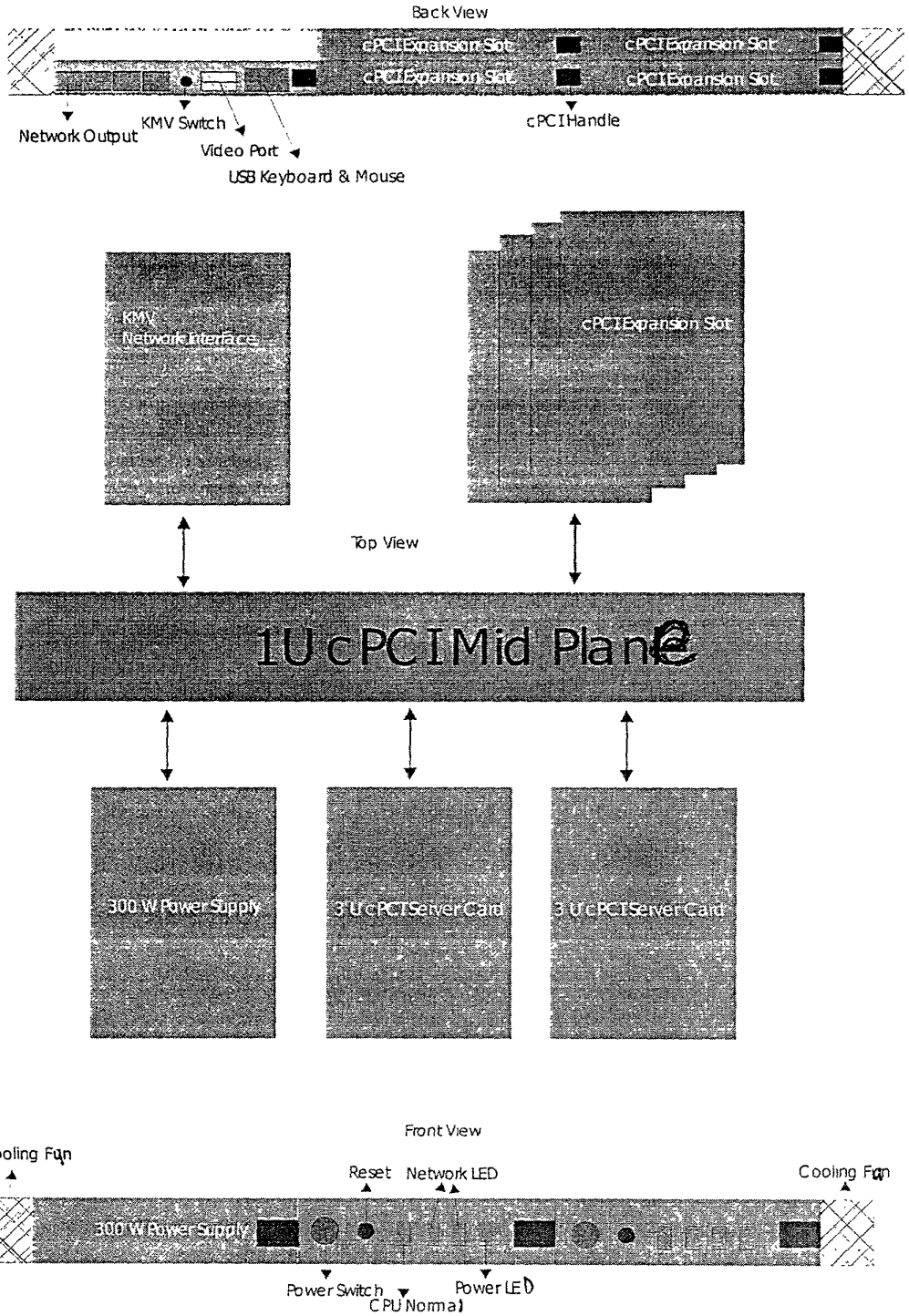

Back View
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
Network Output
KMV Switch
Video Port
USB Keyboard & Mouse
cPCI Handle
KMV Network Interface
cPCI Expansion Slot
Top View
1U cPCI Mid Plane
300 W Power Supply
3 U cPCI Server Card
3 U cPCI Server Card
Front View
Cooling Fan
Reset
Network LED
Cooling Fan
300 W Power Supply
Power Switch
Power LED
CPU Normal

FIG. 11

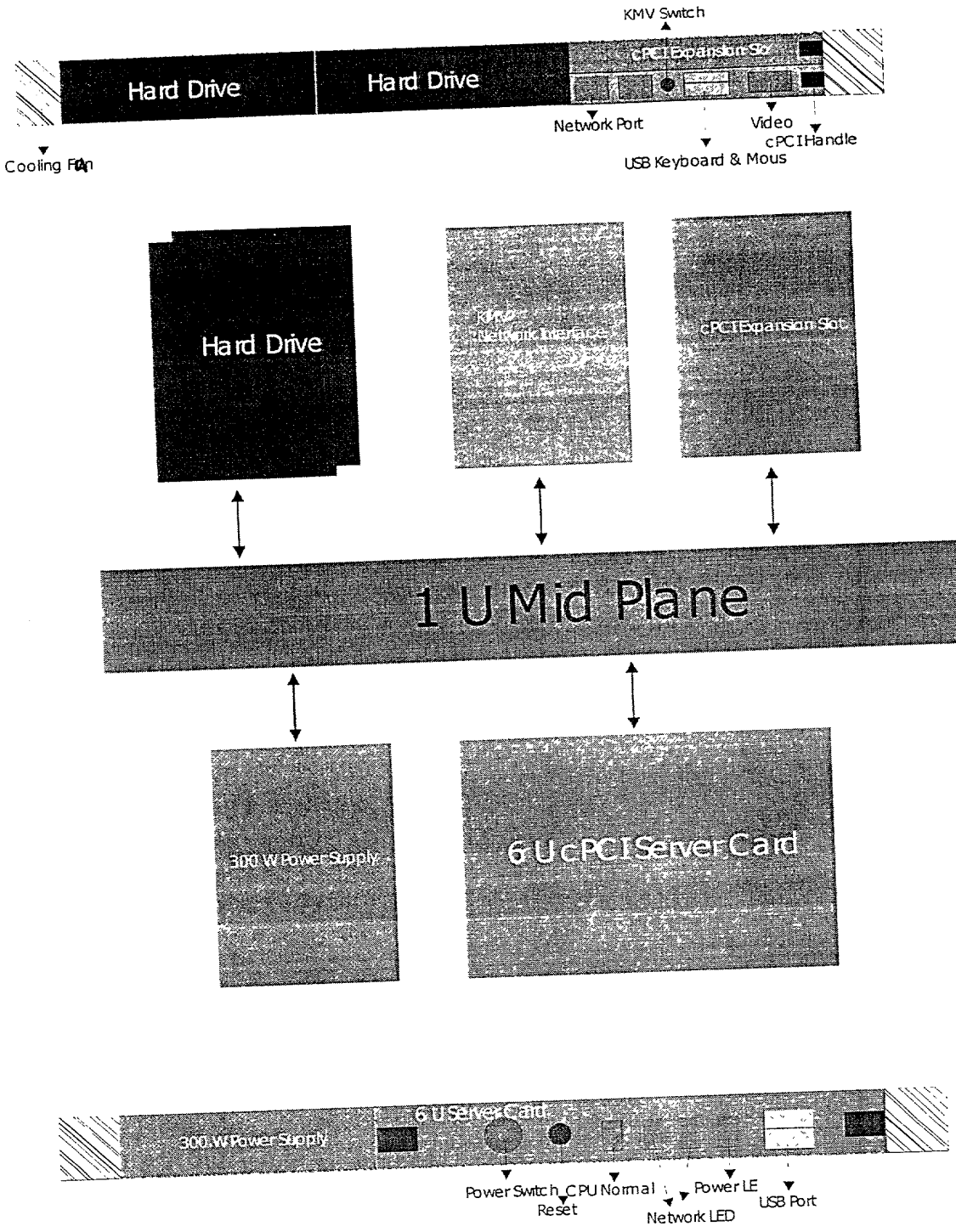

KMV Switch
Hard Drive
Hard Drive
cPCI Expansion Slo
Network Port
Video
cPCI Handle
Cooling Fan
USB Keyboard & Mous
Hard Drive
cPCI Expansion Slot
1 U Mid Plane
300 W Power Supply
6 U cPCI Seiver Card
300 W Power Supply
6 U Server Card
Power Switch
CPU Normal
Reset
Network LED
Power LE
USB Port

FIG. 12

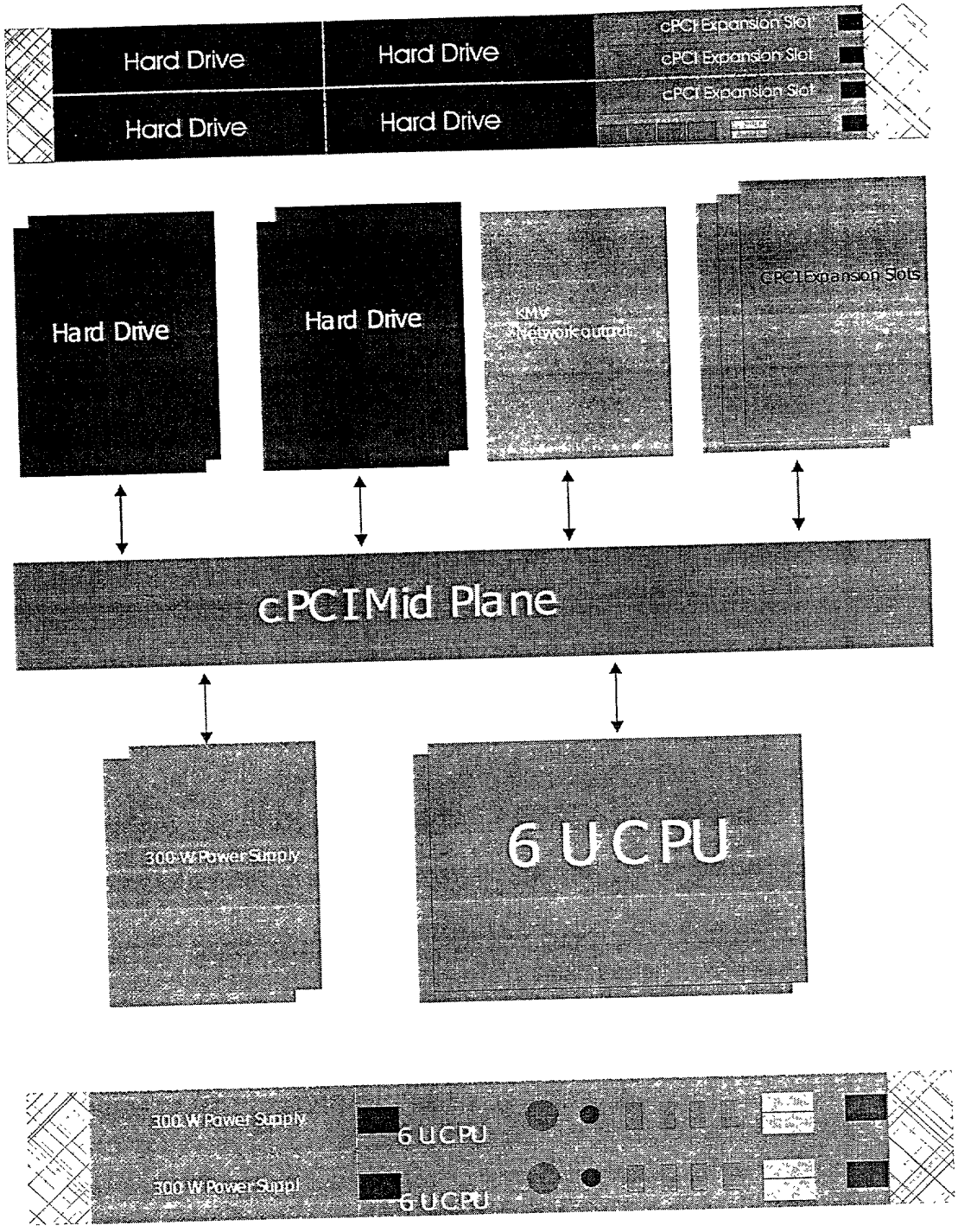

Hard Drive
Hard Drive
Hard Drive
Hard Drive
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
Hard Drive
Hard Drive
KMV
cPCI Expansion Slots
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
300 W Power Supply
6 U CPU
6 U CPU

FIG. 13

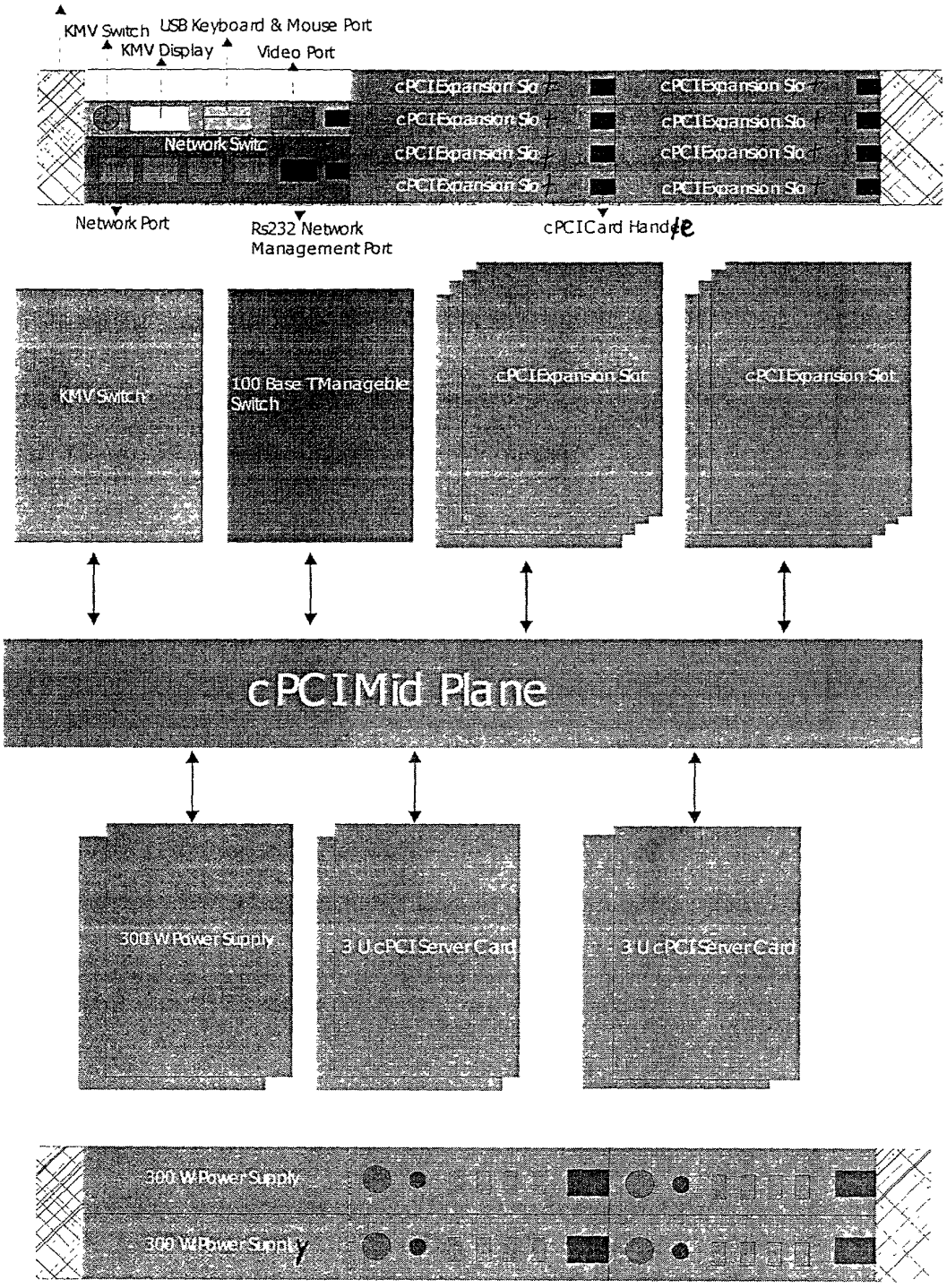

KMV Switch
USB Keyboard & Mouse Port
KMV Display
Video Port
cPCIExpansion Slot
Network Switch
Network Port
Rs232 Network Management Port
cPCICard Handle
KMV Switch
100 Base TManageble Switch
cPCIExpansion Slot
cPCIExpansion Slot
cPCIMid Plane
300 W Power Supply
3 U cPCI Server Card
3 U cPCI Server Card
300 W Power Supply
300 W Power Supply

FIG. 14

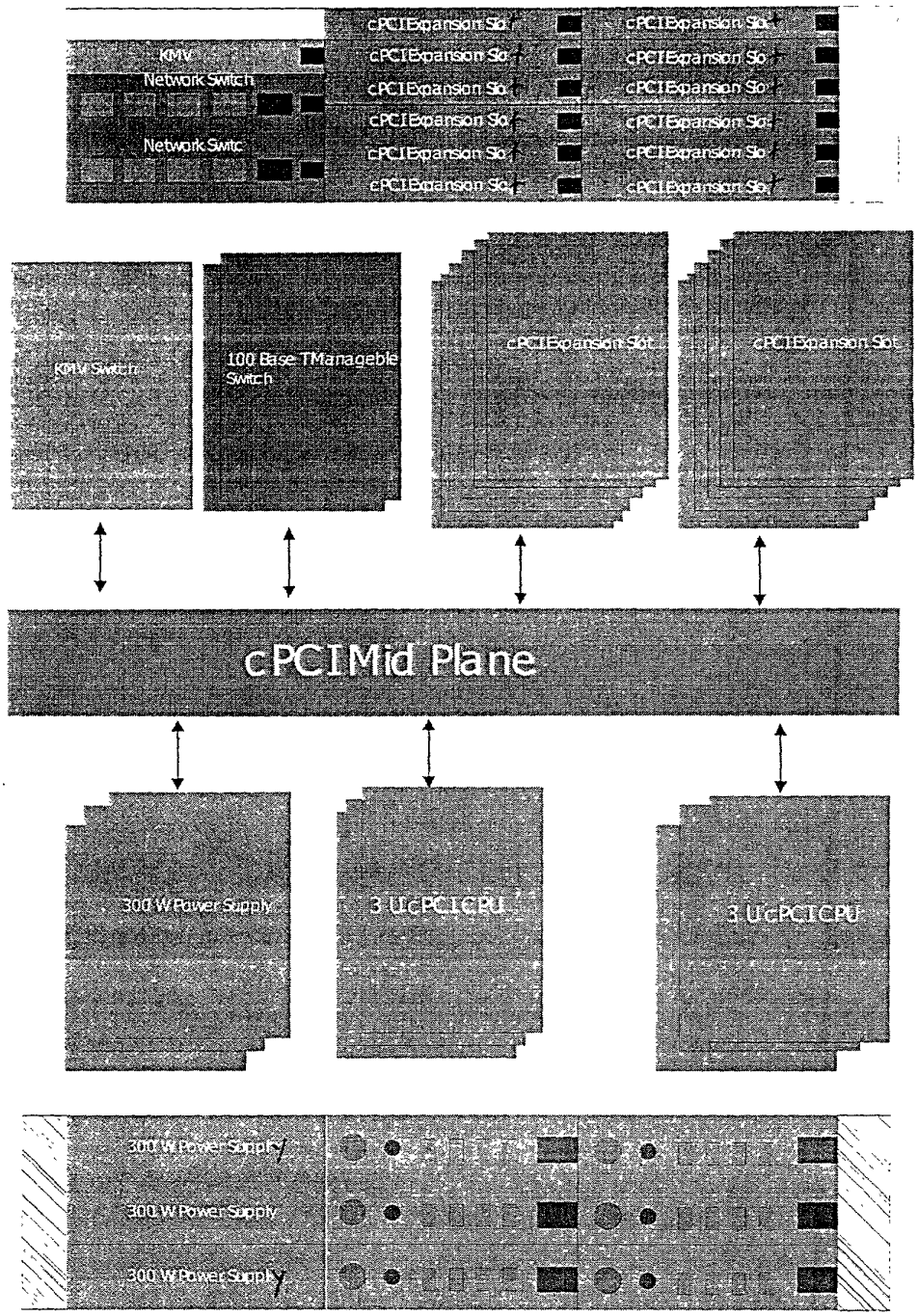

cPCIExpansion Slot
KMV
Network Switch
Network Switc
100 Base TManageble Switch
KMV Switch
cPCIMid Plane
300 W Power Supply
3 UcPCICPU
300 W Power Supply
300 W Power Supply
300 W Power Supply

FIG. 15

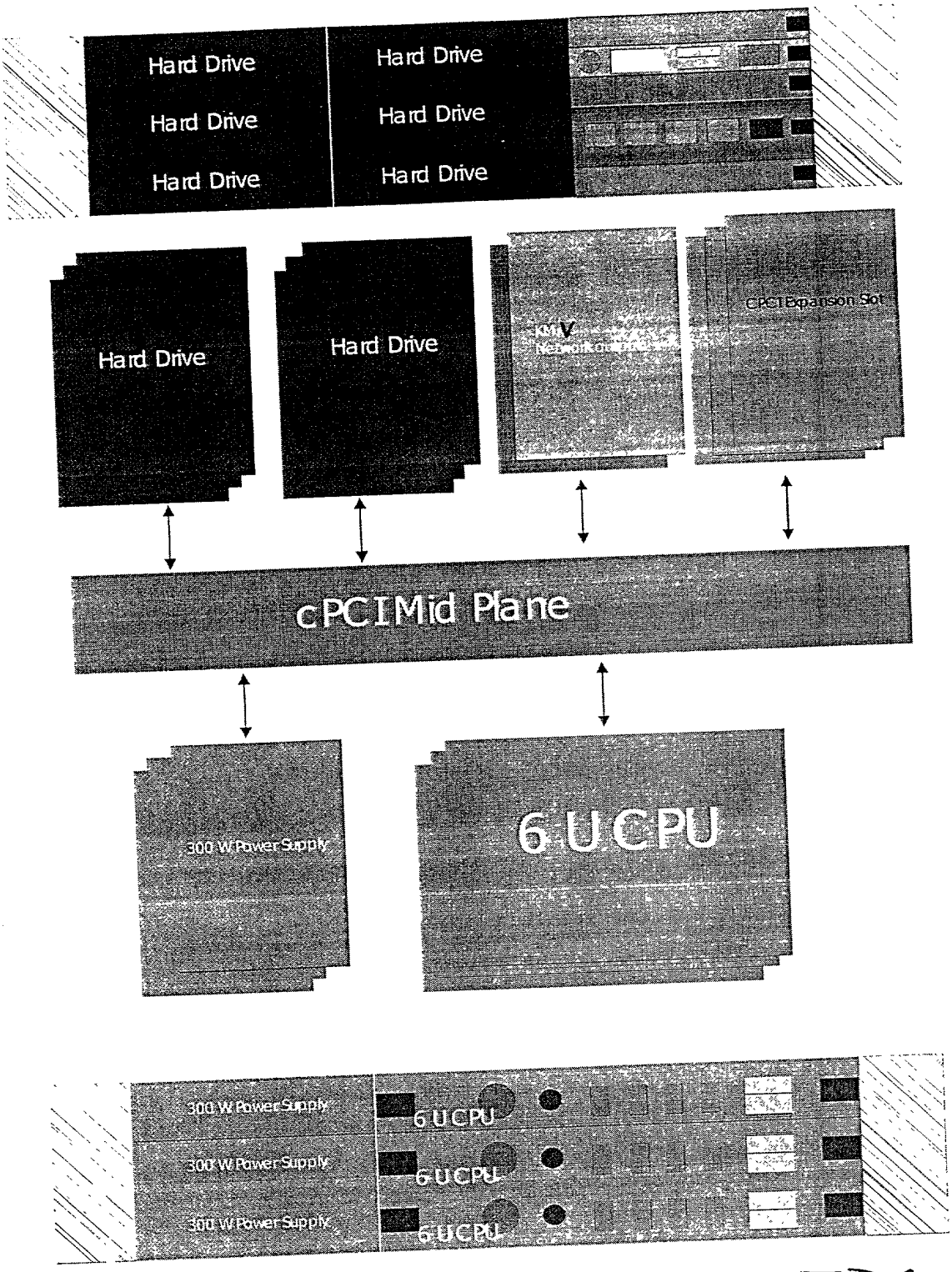

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
CPCI Expansion Slot
cPCIMid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply
6 U CPU
6 U CPU
6 U CPU

FIG. 16

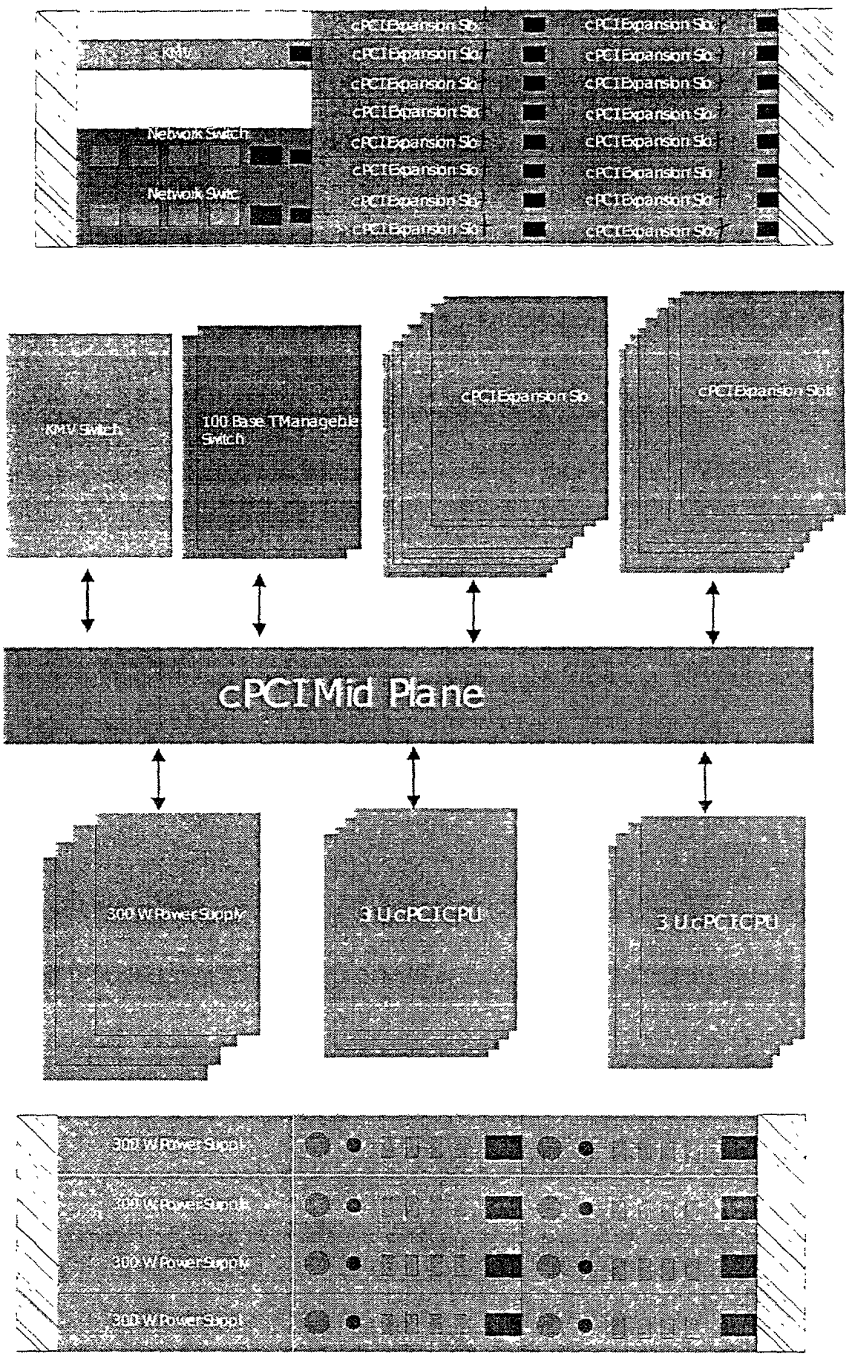

cPCI Expansion Slot
KMV
Network Switch
Network Switch
KMV Switch
100 Base TManageble Switch
cPCI Expansion Slot
cPCI Expansion Slot
cPCIMid Plane
300 W Power Supply
3 U cPCI CPU
3 U cPCI CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply
300 W Power Supply

FIG. 17

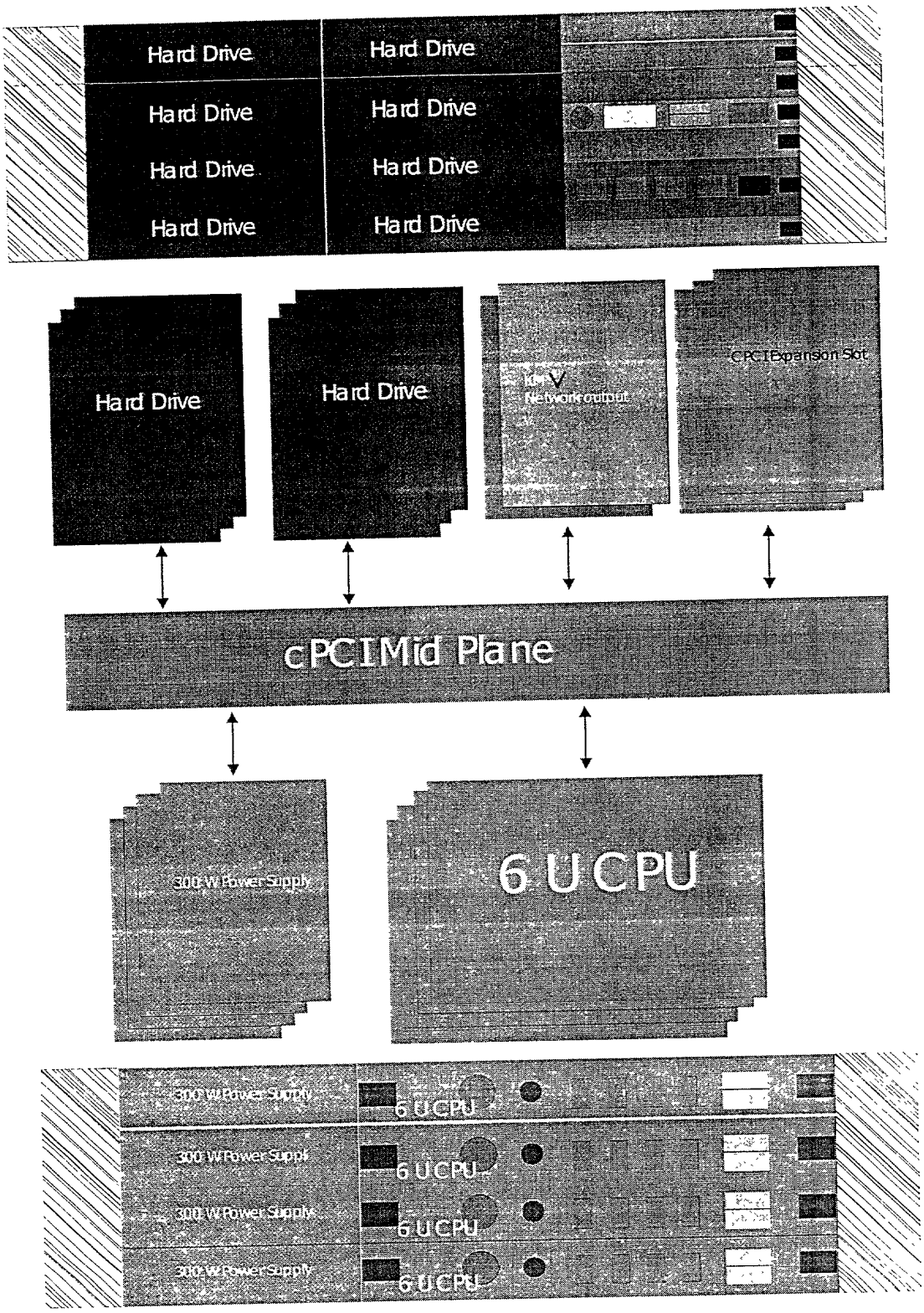

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
cPCI Expansion Slot
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU

FIG. 18

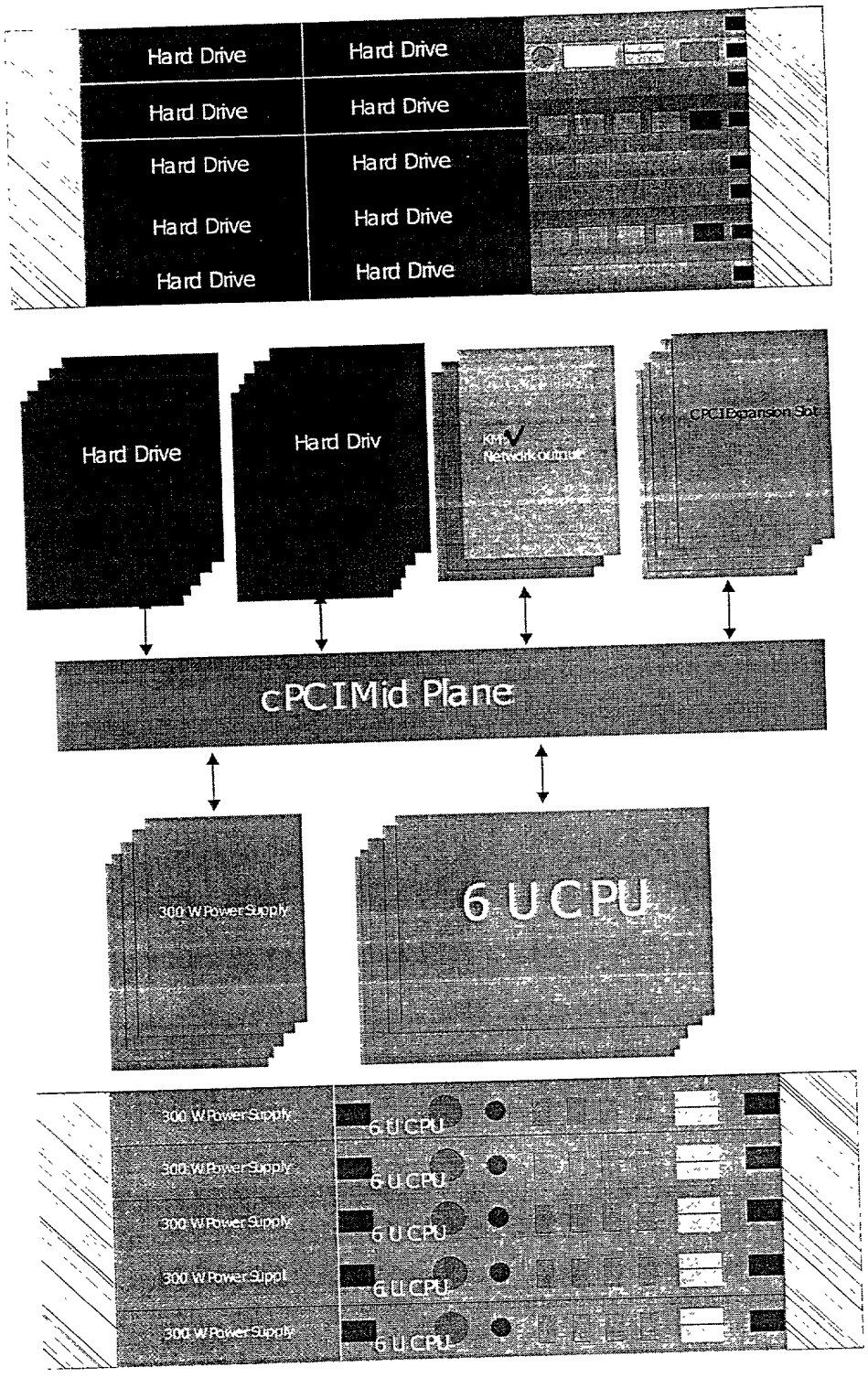

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Driv
KVM
Network outputs
CPCI Expansion Slot
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU

FIG. 19

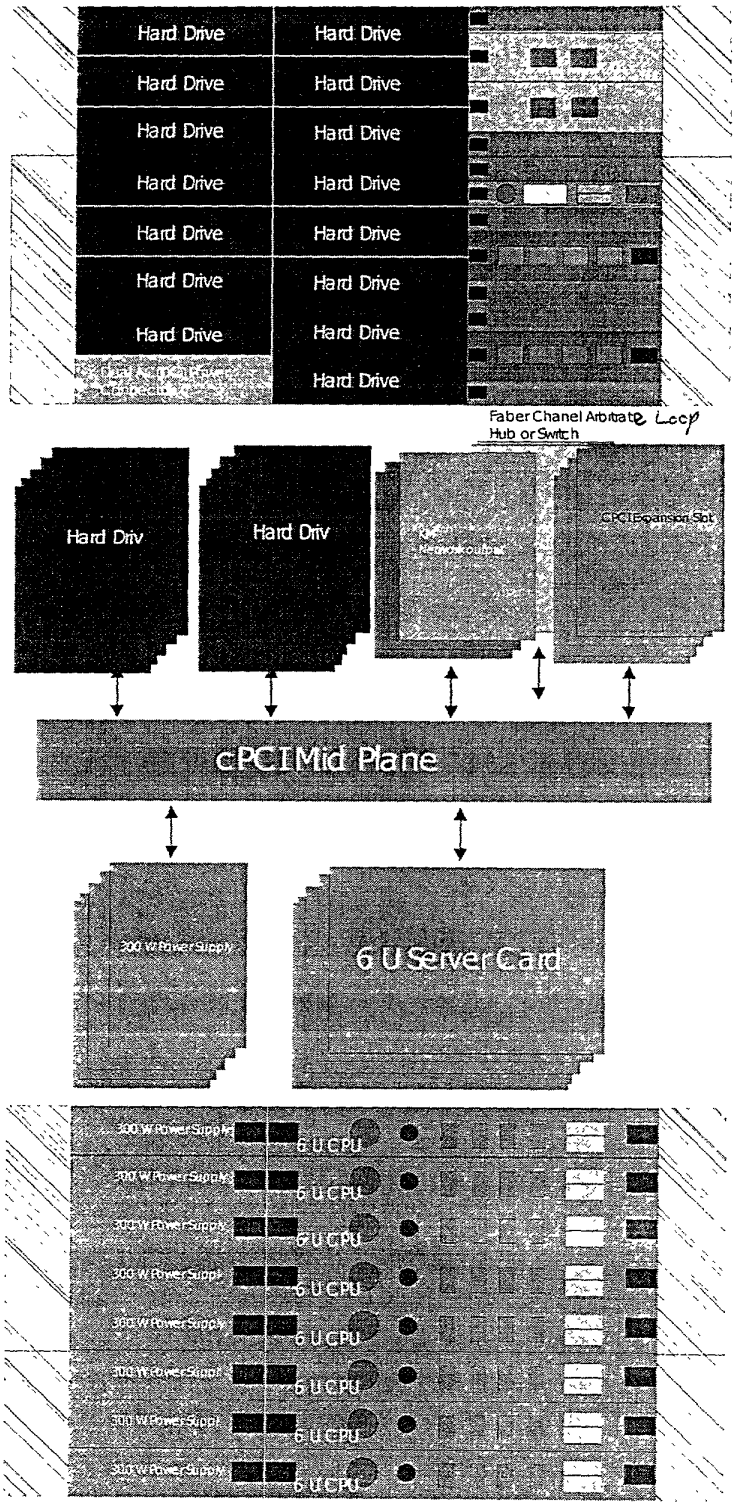
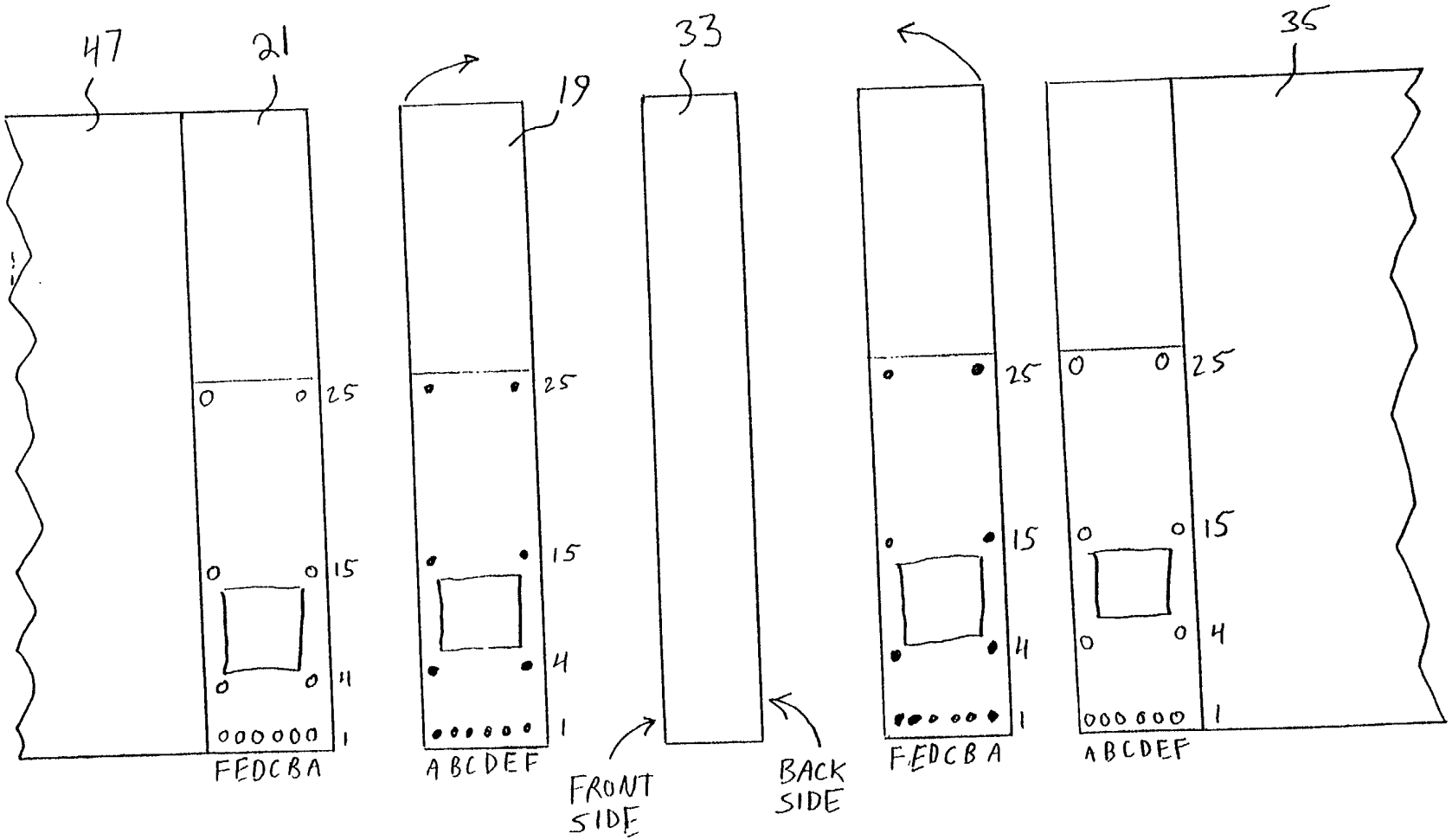

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Faber Chanel Arbitrate Loop
Hub or Switch
Hard Driv
Hard Driv
cPCI Expansion Slot
cPCI Mid Plane
300 W Power Supply
6 U Server Card
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU

FIG. 20

Fig. 21



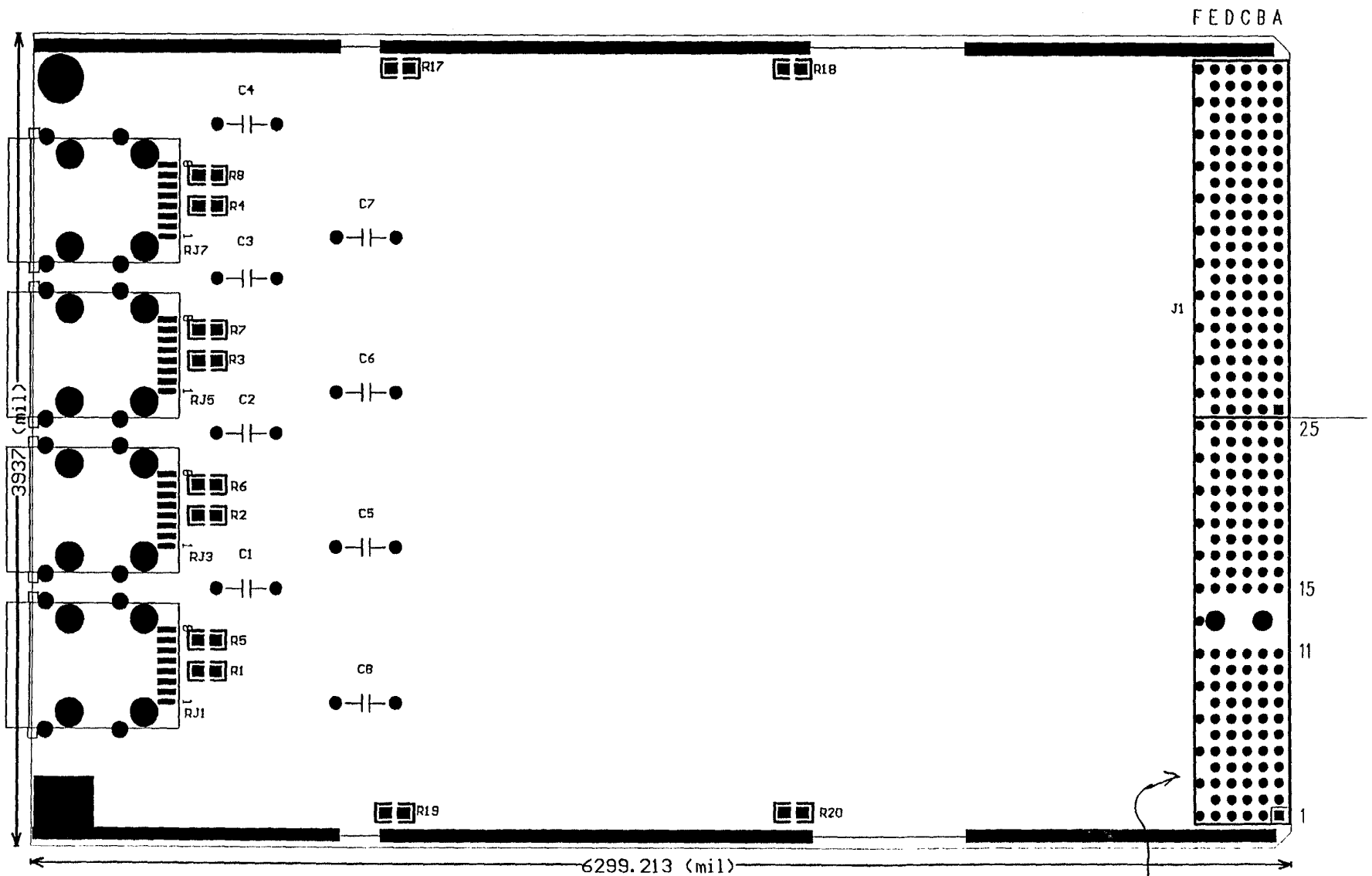


Fig. 22

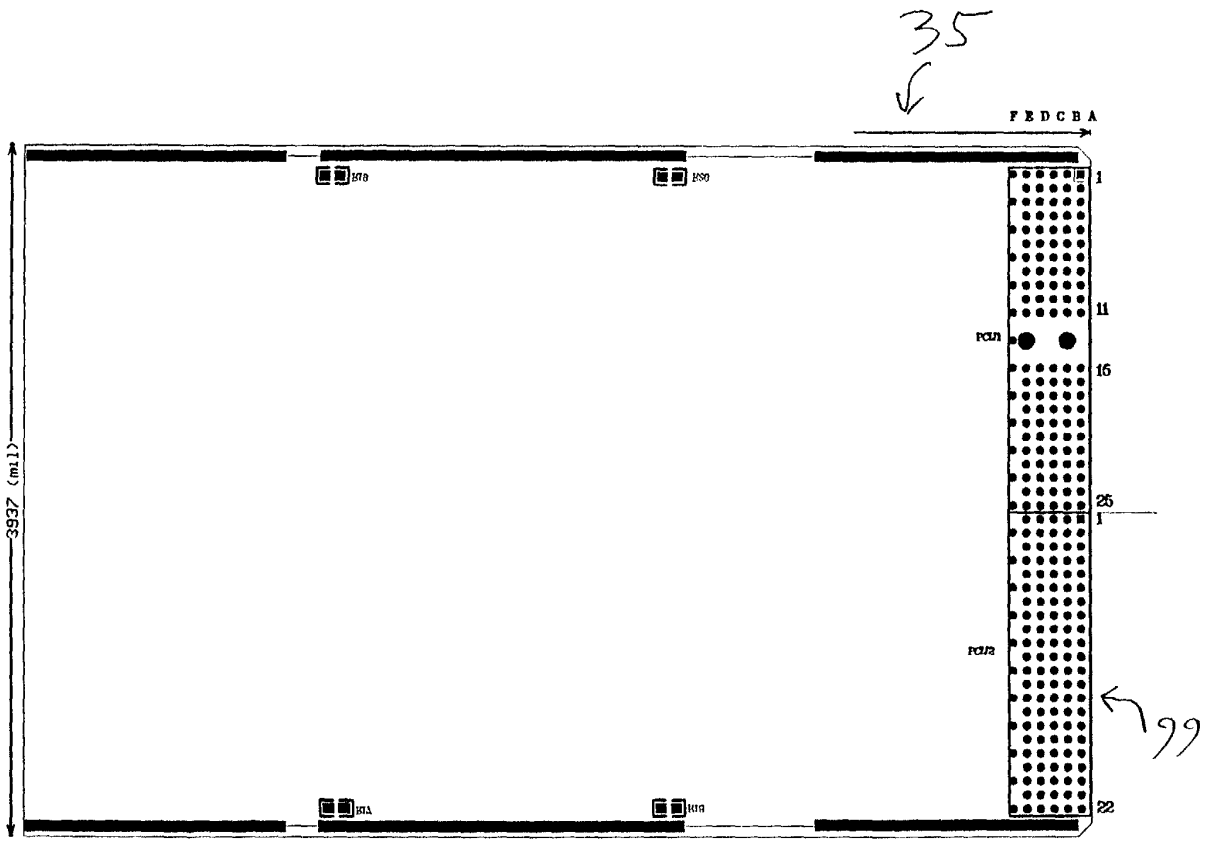


Fig. 23

22	GND	GND	GND	GND	GND	GND	GND	J2 CONNECTOR
21	GND	?3	GND	?18	?24	SMBDAT	GND	
20	GND	?2	?7	?17	GND	SMCLK	GND	
19	GND	GND	GND	?15	?22	CUV1+	GND	
18	GND	MDCLK	?5	?14	GND	GND	GND	
17	GND	GND	GND	?13	?21	CUV1-	GND	
16	GND	MDDAT	MVSYNC	?12	GND	GND	GND	
15	GND	GND	GND	?11	?20	?28	GND	
14	GND	RSTSW#	MHSYNC	VCC5IN	GND	?27	GND	
13	GND	GND	GND	VIO	ER1+	GND	GND	
12	GND	CUV0-	MB	VCC5IN	GND	ER2+	GND	
11	GND	GND	GND	VIO	ER1-	GND	GND	
10	GND	CUV0+	MG	VCC5IN	GND	ER2-	GND	
9	GND	GND	GND	VIO	ET1+	GND	GND	
8	GND	MUSDATA	MR	VCC5IN	GND	ET2+	GND	
7	GND	GND	GND	VIO	ET1-	GND	GND	
6	GND	MUSCLK	?10	VCC5IN	GND	ET2-	GND	
5	GND	GND	?9	VIO	?26	GND	GND	
4	GND	VIO	?8	VCC5IN	GND	CUV3-	GND	
3	GND	?4	GND	?19	?25	GND	GND	
2	GND	?1	?6	?16	?23	CUV3+	GND	
1	GND	PCICLK4	GND	PREQ#3	PGNT#3	GND	GND	
Pin	Z	A	B	C	D	E	F	

FIG. 24